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(54) Non-oncogenic Ti plasmid vector system and recombinant DNA molecules for the introduction of  
expressible genes into plant cell genomes.

(57) Described is a non-oncogenic Ti plasmid vector system and recombinant DNA molecules for the  
introduction of expressible genes into plant cell genomes. Furthermore, corresponding transformed

Agrobacterium strains and processes for the produc-  
tion of plant cells and plants containing foreign DNA  
sequences are described. (Fig. 10)

EP 0 320 500 A3

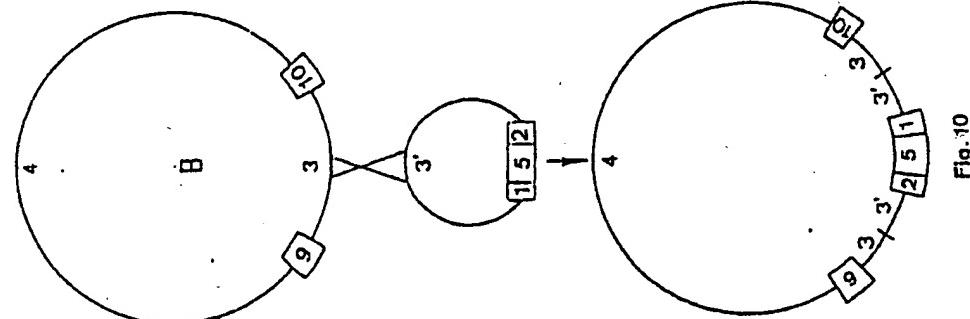


Fig.10



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## EUROPEAN SEARCH REPORT

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
X	THE EMBO JOURNAL, vol. 1, no. 1, 1982, pages 147-152, IRL Press, Oxford, GB; J. LEEMANS et al.: "Genetic identification of functions of TL-DNA transcripts in octopine crown gall"; * Page 151, left-hand column, lines 26-48 * ---	1,2,13, 15	C 12 N 15/00 C 12 N 1/20 A 01 H 1/00
X	JOURNAL OF MOLECULAR AND APPLIED GENETICS, vol. 1, no. 2, 1981, pages 149-164, Raven Press, New York, US; J. LEEMANS et al.: "Site-specific mutagenesis of Agrobacterium Ti plasmids and transfer of genes to plant cells"; * Page 160, figure 5, plasmid PGV0601; page 155, right-hand column *	4-6,8	
P,X	THE EMBO JOURNAL, vol. 2, no. 12, 1983, pages 2143-2150; P. ZAMBRYSKI et al.: "Ti plasmid vector for the introduction of DNA into plant cells without alteration of their normal regeneration capacity"; * Whole document * ---	1-3,13, 15,16	TECHNICAL FIELDS SEARCHED (Int. Cl. 5)
P,X	NATURE, vol. 303, 19th May 1983, pages 209-213, Macmillan Journals Ltd; L. HERRERA-ESTRELLA et al.: "Expression of chimaeric genes transferred into plant cells using a Ti-plasmid-derived vector"; * Figure 3, plasmid PN01 and legend * ---	4,5,7,8 -/-	C 12 N A 01 H
The present search report has been drawn up for all claims			Examiner  MADDOX A.D.
Place of search	Date of completion of the search		
THE HAGUE	22-08-1990		
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone	Y : particularly relevant if combined with another document of the same category	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document	
A : technological background	O : non-written disclosure	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document	
P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  & : member of the same patent family, corresponding document	



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)						
A	<p>MOLECULAR BIOLOGY OF PLANT TUMOURS, 1982, pages 537-545, Academic Press Inc.; J. LEEMANS et al.: "T1 plasmids and directed genetic engineering" * Whole document *</p> <p>-----</p>	1-16							
			TECHNICAL FIELDS SEARCHED (Int. CL5)						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>22-08-1990</td> <td>MADDOX A.D.</td> </tr> </table>				Place of search	Date of completion of the search	Examiner	THE HAGUE	22-08-1990	MADDOX A.D.
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THE HAGUE	22-08-1990	MADDOX A.D.							
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document							